

Lockheed Martin Rapid Transformation

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Vision for Rapid Transformation



All Digital Development Environment that Delivers Model Based Designs to a Smart Factory, Integrated Supply Chain, Sustainment Assets & Customers



All Digital Production Enterprise Derived from Engineering Models that Supports High Fidelity Factory and Build Simulations...Build Before You Build



Fully Integrated Advanced Manufacturing Capabilities Along with Human Augmentation



Preserves High Level of Systems Engineering Discipline & Maintains Strong Corporate Culture Around Product Safety



Recognized World Class OneLM Software Factory



Model-Based Definition of Advanced Sustainment Architectures



Common MBE Architectures Across BAs that Support Simulation Based Verification and High Degree of Collaboration Across Enterprise



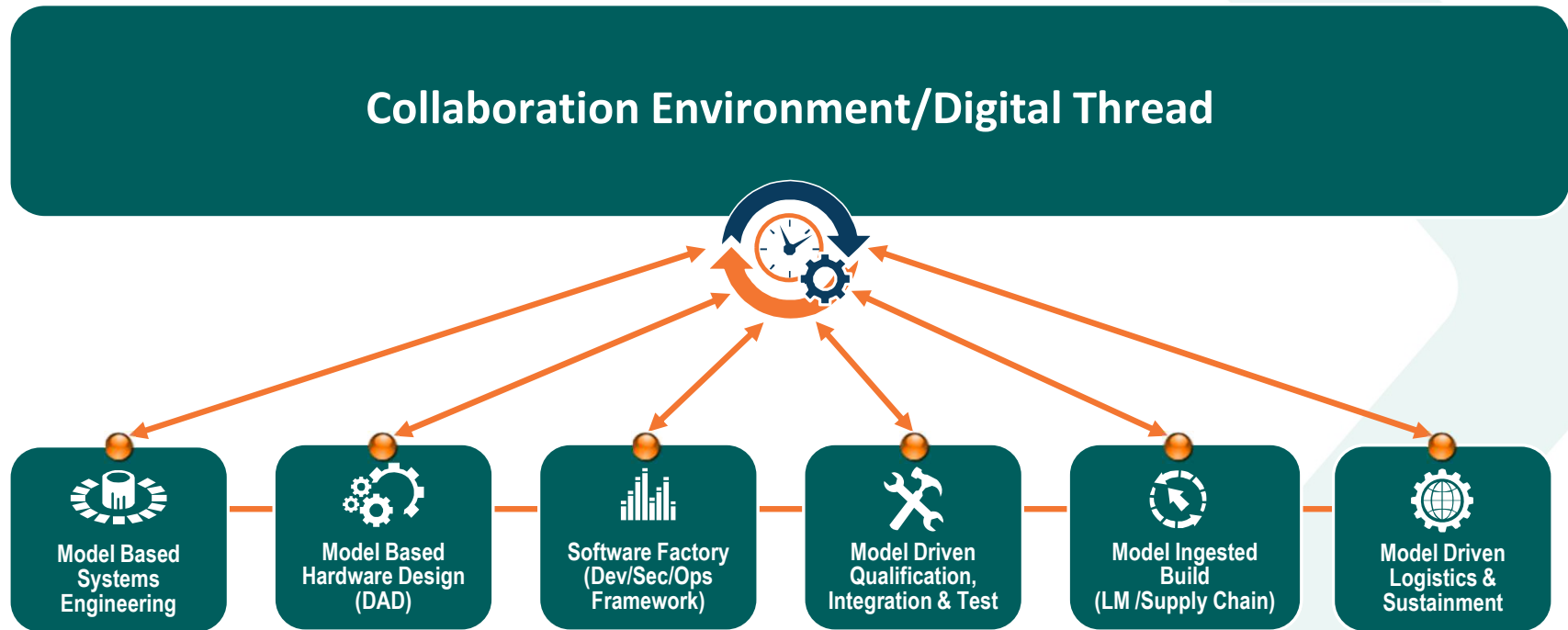
Full Implementation of Digital Twin Capability through Integration of MBSE Artifacts, Design Models, Physics Based Simulations, and Manufacturing & Sustainment Data... Optimized by AI and Advanced Analytics



Adoption Metrics & Measures of Effectiveness to Confirm Value Creation

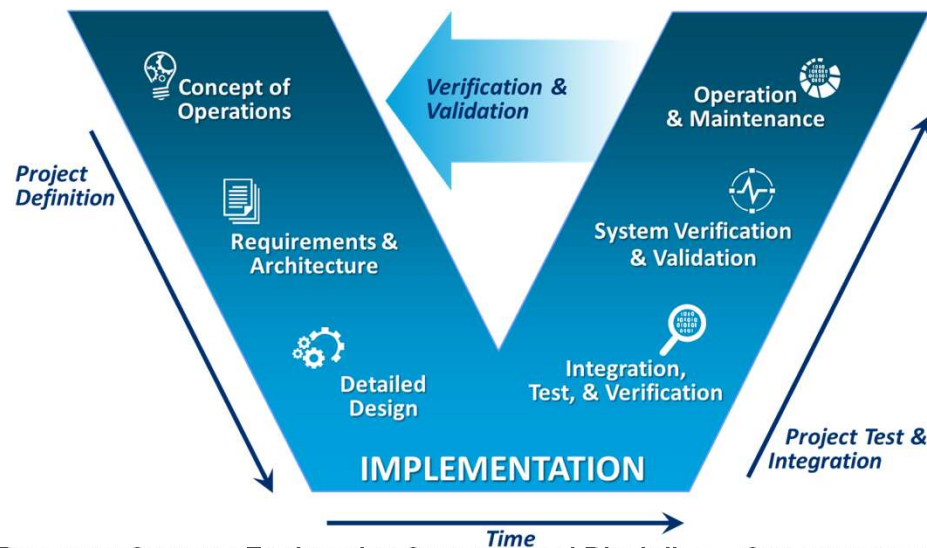
Speed to Market with Value Creating Capabilities is #1 Objective

Lockheed Martin Transformation Focus...



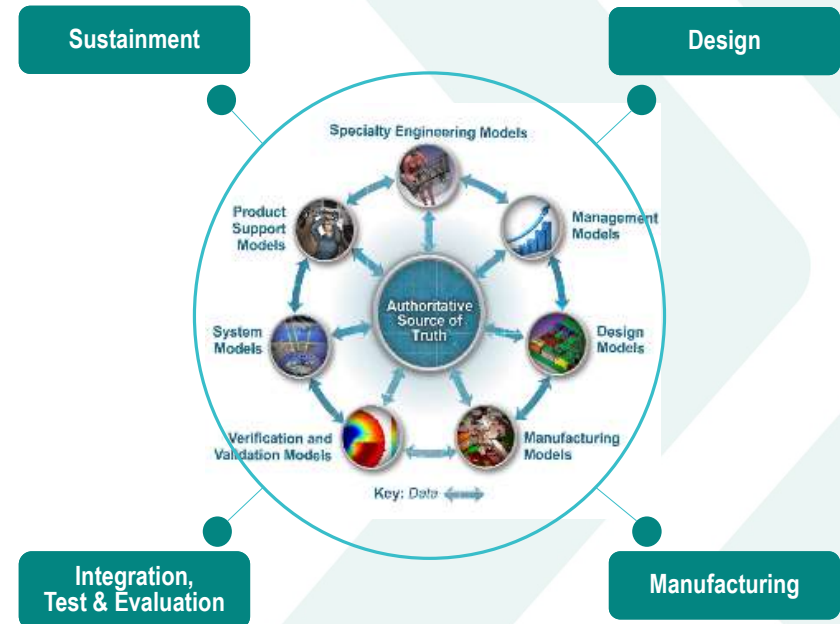
...Optimize the Value Chain Across the Product Life Cycle

Model-Based Systems Engineering at LM



- Preserves Systems Engineering Structure and Discipline... Cornerstone of LM
- Compatible with Government Prose-Based and Model-Based Procurements
- Fully Integrated with OneLM Software Factory
- Enables Libraries of Validated Systems Engineering Artifacts
- Fully Associates System Models with Design Models that Feed Factory Floor and Supply Chain
- Ensures That What We Design and Build Meets Customer Requirements & Expectations

Integrated Multi-Discipline Models as Authoritative Source of Truth



Fully Accessible Data Products Provide Value/Reuse Across the Lifecycle

Source: DOD, Digital Engineering Strategy, Released June 2018, Fig. 4
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